How to get the "=" characters attached to existing APR data sets

APR,
- which are copied from default data sets or a Bucky TH room next door
- which must get the "=" character after a Bucky TH system upgrade from release 5.x on

There are EXCEL functions explained in the text, "English" and *"German"* function names appear together (other languages were not available).

Use the APRMANager (APRMAN.EXE, last version 2.1 on installation disk 2 extracted from OMB02205.EXE, also available on Intranet).

APRMAN >> Settings: Automatic APR Numbering must not be selected, the APR-# assignment to the control handle will be lost.

Attention when changing APR data for a **Release 2.3** generator:
Film-Screen-Combination (FSC) assignments are lost after re-loading APR to the generator. All APR will be assigned to the FSC Data Set 1 of the chamber assigned to the RGDV.
Note all assignments which are not data set 1 and change them at the control desk afterwards.

Start APRMAN.

- Load the original data APRxxx.TDL file from the disk
  or
  receive it from a generator.
- Save the received file in the appropriate release format (2 or 3 only, previous versions should not exist anymore).
- Select function "File" and "Export CSV file..."
- Export the APRxxx.TDL file to a APRxxx.CSV file (APRMAN does it, translates and loads it automatically to the same APRxxx.TDL DIRectory with the same file name, but as .CSV).
- Start EXCEL.
- Open the translated APRxxx.CSV (CSV = comma separated value) file.
  !!! Do not start EXCEL double-clicking the xxx.CSV file, it does not work !!!
- APR names appear at column G.
- Select column H with the right mouse button.
- Insert a new column.
- The previous content of columns H ... etc. moves to columns I ... etc.
- Select field H2 (**ignore** header field H1, the "APR name" header string **must not** be modified).
- Select icon f_x
  "Paste Function" *"Funktions-Assistent"*,

  In the screen
  "Paste Function" *"Funktion einfügen"*

  select
  "All" *"Alle"*
  at
  "Function category:" *"Kategorie:"*

  and
  "CONCATENATE" *"VERKETTEN"*
  at
  "Function name:" *"Funktion:"*.

- Enter
  “G2”
  in the “Text1” line,
  >> the name of G2 position appears on the right side of the Text1 line
  and
  the “=” character
  in the “Text2” line of the field
  “CONCATENATE” *“VERKETTEN”* .
- Hit the
  “OK” *“Ende”*
  button of the screen.

  Now the APR name of field G2 appears in the H2 field with the additional “=” character.
- The modified name field carries a broad frame now, move the mouse to the right hand side bottom edge until the mouse sign changes to a “**+**”.
- Now push the left mouse button and pull it down along all fields (all APR) which have to get the “=” character.
  Remark: Free cassette auxilaries should not get this character unless the APR might be used for a grid cassette and shall get the customer this information.
- All modified fields of column H are marked, now use the copy function <CTRL C>.
- Select the (same amount of) original fields at column G. Hit the right mouse button in the marked field and select function
  “Paste Special” *“Inhalte einfügen...”*.

  Select
  “Values” *“Werte”*
  at options
  “Paste” *“Einfügen”*

  and leave
  “None” *“Keine”*
  at
  “Operation” *“Operation”*.

  Hit <OK>, all APR carry the “=” at the end of the string now.
- Select column H with the right mouse button and delete the entire column.
- Carry out the same procedure at column K to attach "=" to the menu names and for submenus at other columns where present.
- Save the file.
- Start APRMANager.
- Import the modified xxx.CSV file.
  During import APRMAN checks if there are any faults. Close the “Assign RGDV” screen and minimise the screen. Now you see a Test Editor screen.
  The most common entry in this editor will be the length of the APR name string. It should not be longer than 16 characters.
  With the additional “=” some of the names will increase the value, e.g. “Dens axis F” and most of the tomo APR as the "F" or the angle information is at position 16 in the default APR data sets.
  Such individual APR can easily be repaired. Open the EXCEL file again and delete one of the “space” characters or shorten the name.
- Save the imported CSV file as release 2 or 3 TDL file and load it to the generator.